

Plasmid: NFIF14B
Amino Acids: 453

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFQDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASEMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTTIQSLF	140
PNLQVFPALGNHDYWPQDQL	160
SVVTSKVYNAVANLWKPWLD	180
EEAISTLRKGGFYQKVTTN	200
PNLRIISLNTNLYYGNIMT	220
LNKTDPANQFEWLESTLNNS	240
QQNKEKVYIIAHVPVGYLPS	260
SONITAMREYYNEKLIDIFQ	280
KYSDVIAGQFYGHTRDSIM	300
VLSDKKGSPVNSLFVAPAVT	320
PVKSVLEKQTNNPGIRLFQY	340
DPRDYKLLDMLQYYLNLTEA	360
NLKGESIWKLEYILTQTYDI	380
EDLQPESLYGLAKQFTILDS	400
KQFIKYYNYFFVSYDSSVTC	420
DKTCKAFQICAIMNLDNISY	440
ADCLKQLYIKHNY	460

FIGURE 1

Plasmid: NFIF7A
Amino Acids: 364

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSPLYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQVYI	160
IAHVPVGYLPSSQNITAMRE	180
YYNEKLIDIFQKYS DVIAGQ	200
FYGHTHRDSIMVLSDKKGSP	220
VNSLFVAPAVTPVKS VLEKQ	240
TNNPGIRLFQYDPRDYKLLD	260
MLQYYLNLTEANLKGESIWK	280
LEYILTQTYDIEDLQPESLY	300
GLAKQFTILDSKQFIKYNY	320
FFVSYDSSVTCDKTCKAFQI	340
CAIMNLDNISYADCLKQLYI	360
KHNY	380

FIGURE 2.

1	ATGGCGCTGGTGC	CGCGCACTCGTCTGCTGC	CTGCTGACTGCCTGGCACTG	NFIF14B
1	ATGGCGCTGGTGC	CGCGCACTCGTCTGCTGC	CTGCTGACTGCCTGGCACTG	NFIF7A
51	CCGCTCCGGCCTCGGGCTGCCCGTGGCGCCCGCAGGCGGGCAGGAATCCTC			NFIF14B
51	CCGCTCCGGCCTCGGGCTGCCCGTGGCGCCCGCAGGCGGGCAGGAATCCTC			NFIF7A
101	CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTTACACTTAGACCCCT			NFIF14B
101	CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTTACACTTAGACCCCT			NFIF7A
151	ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTCATCTAAAGG			NFIF14B
151	ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTCATCTAAAGG			NFIF7A
201	TGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC			NFIF14B
201	TGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC			NFIF7A
251	CATATCAACTTATTTTTGTGTCAGCATTTGATTTTATTAAAAATTCTGGACAA			NFIF14B
251	CATATCAACTTATTTTTGTGTCAGCATTTGATTTTATTAAAAATTCTGGACAA			NFIF7A
301	GAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCTCTGT			NFIF14B
301	GAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCTCTGT			NFIF7A
351	ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA			NFIF14B
351	ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA			NFIF7A
401	CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT			NFIF14B
401	CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT			NFIF7A
451	AATCATGACTATTGGCCACAGGATCAACTGTCTGTAGTCAACCAGTAAAGT			NFIF14B
451	AATCATGACTATTGGCCACAGG-----			NFIF7A
501	GTACAATGCAGTAGCAAACCTCTGGAAACCATGGCTAGATGAAGAAGCTA			NFIF14B
473	-----			NFIF7A
551	TTAGTACTTTAAGGAAAGGTGGTTTTTTATTTCACAGAAAGTTACAACCTAAT			NFIF14B
473	-----			NFIF7A
601	CCAAACCTTAGGATCATCAGTCTAAACACAAACTTGTACTACGGCCCAA			NFIF14B
473	-----			NFIF7A
651	TATAATGACACTGAACAAGACTGACCCAGCCAACCAGTTTGAATGGCTAG			NFIF14B
473	-----			NFIF7A
701	AAAGTACATTGAACAACCTCTCAGCAGAATAAGGAGAAAGGTGTATATCATA			NFIF14B
473	-----TGTATATCATA			NFIF7A
751	GCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT			NFIF14B
484	GCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT			NFIF7A
801	GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAATACAGTG			NFIF14B
534	GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAAGTACAGTG			NFIF7A
851	ATGTCATTGTCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG			NFIF14B
584	ATGTCATTGTCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG			NFIF7A
901	GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC			NFIF14B
634	GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC			NFIF7A

FIGURE 3

951	TGCTGTTACACCAGTGAAGAGTGTTT	TTAGAAAAACAGACCAACAATCCTG	NFIF14B
684	TGCTGTTACACCAGTGAAGAGTGTTT	TTAGAAAAACAGACCAACAATCCTG	NFIF7A
1001	GTATCAGACTGTTTTCAGTATGATCCT	CGTGATTATAAATTATTGGATATG	NFIF14B
734	GTATCAGACTGTTTTCAGTATGATCCT	CGTGATTATAAATTATTGGATATG	NFIF7A
1051	TTGCAGTATTACTTTGAATCTGACAG	AGGGCGAATCTAAAGGGAGAGTCCAT	NFIF14B
784	TTGCAGTATTACTTTGAATCTGACAG	AGGGCGAATCTAAAGGGAGAGTCCAT	NFIF7A
1101	CTGGAAGCTGGAGTATATCCTGACCC	CAGACCTACGACATTGAAGATTTCG	NFIF14B
834	CTGGAAGCTGGAGTATATCCTGACCC	CAGACCTACGACATTGAAGATTTCG	NFIF7A
1151	AGCCGGAAAGTTTATATGGATTAGCT	AAACAATTTACAATCCTAGACAGT	NFIF14B
884	AGCCGGAAAGTTTATATGGATTAGCT	AAACAATTTACAATCCTAGACAGT	NFIF7A
1201	AAGCAGTTTTATAAAAATACTACAAT	TACTTCTTTGTGAGTTATGACAGCAG	NFIF14B
934	AAGCAGTTTTATAAAAATACTACAAT	TACTTCTTTGTGAGTTATGACAGCAG	NFIF7A
1251	TGTAACATGTGATAAGACATGTAAG	GCCTTTCAGATTTGTGCAATTATGA	NFIF14B
984	TGTAACATGTGATAAGACATGTAAG	GCCTTTCAGATTTGTGCAATTATGA	NFIF7A
1301	ATCTTGATAAATATTTTCCTATGCA	GATTGCTCAAACAGCTTTATATAAAG	NFIF14B
1034	ATCTTGATAAATATTTTCCTATGCA	GATTGCTCAAACAGCTTTATATAAAG	NFIF7A
1351	CA	CAATTACTAG	NFIF14B
1084	CA	CAATTACTAG	NFIF7A

FIGURE 3 (CONT'D)

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300

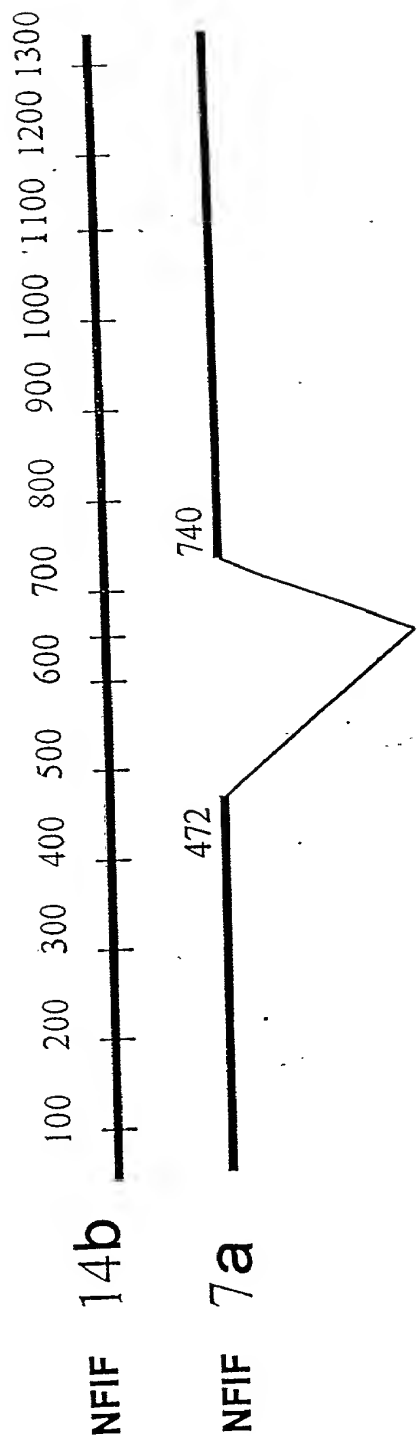


FIGURE 4

NFκB Reporter with NFIF

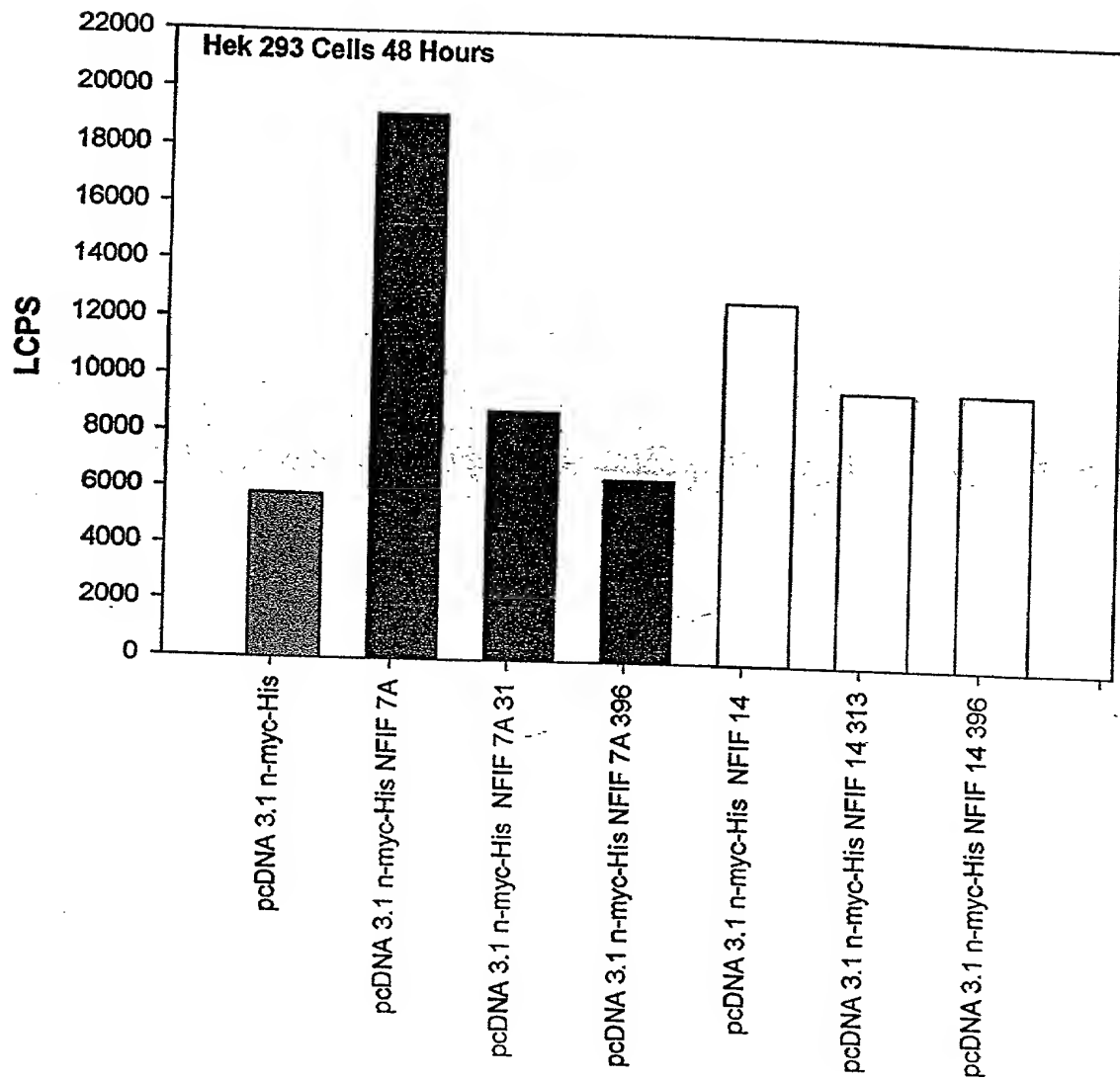


FIGURE 5

NF κ B Reporter with NFIF

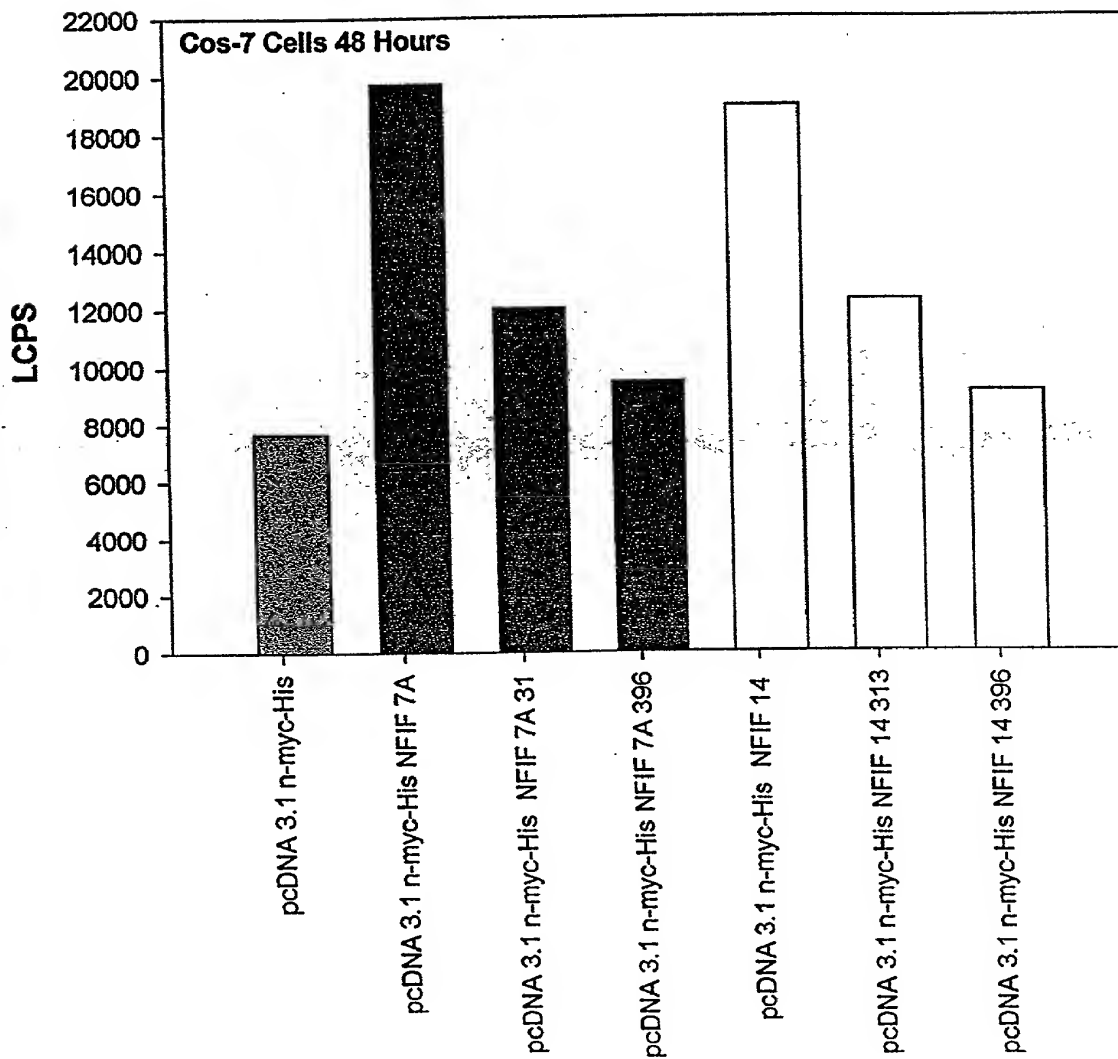


FIGURE 6

SKGANASNPFGDV

FIGURE 7

0033319.033004

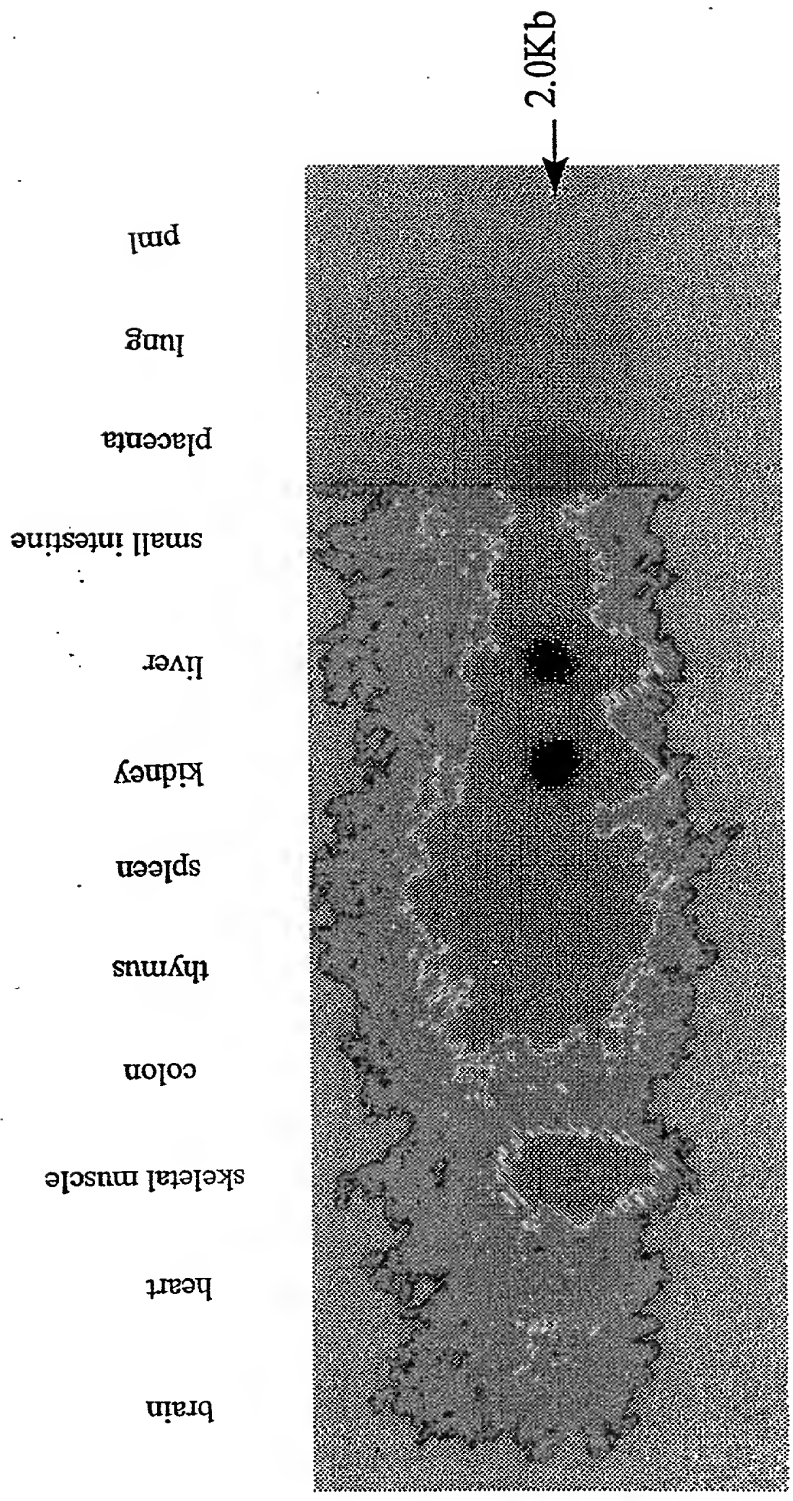


FIGURE 8